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TITLE : REVOLUTION CONTROL SYSTEM

ABSTRACT : PURPOSE: To safely and surely perform head loading and prevent accident by changing the number of revolutions of a spindle motor stepwise during the time until it is increased to the final steady number of revolutions in a magnetic disc.

CONSTITUTION: The number of revolutions of a spindle motor 1 is detected in a circuit 2 and is compared 3 with the reference signal from a circuit 4, the result whereof is sent to a motor drive control circuit 5. According to the input of low-high speed switching signal HLS, the circuit 4 outputs the signal corresponding to the number of revolutions  $f_1$  up to the time  $t_3$  when the low speed region control ends from the power source input time to and outputs the signal corresponding to the number of revolutions  $f_2$  after the time  $t_3$ . Further, according to the changeover of the signal HLS, the circuit 6 supplies the current  $i_2$  to the drive switching circuit 7 up to the time  $t_3$  and does so after increasing the same to the current  $i_1$  after said time. This results in that the motor 1 receives two stages of changes B in the number of revolutions until it attains the steady number of revolutions.

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